

Livestock Nutrient Management Referrals Planning and Technical Assistance

Referral Types by County
Jan. – May 2006

County	Type 1	Type 2	Type 3	Type 4	TOTAL
Clark	2		3		5
Franklin		1			1
Grant		2	4 (1 AFO)	3	9
King	1	4	3		8
Othello				1	1
Pacific			2		2
Pierce			1		1
Skagit			4		4
So. Yakima		2	3	6	11
Stevens			1		1
Thurston		1		1	2
Underwood			1 (AFO)		1
Warden			1		1
Whatcom	1	2	10		13
TOTAL	4	12	33	10	59
Percentage	7%	20%	56%	17%	17%

Total Inspections
Jan. – May 2006 158 (32 permitted)

Permitted Facilities and Current Referrals

Jan. – May 2006 32 inspected

County	# Permits	# Referred
Adams	1	1
Clark	4	
Cowlitz	1	
Franklin	2	
Grant	5	2
Grays Harbor	1	
Jefferson	1	
King	6	2
Lewis	4	
Pacific	1	
Pierce	5	
Skagit	5	
Snohomish	2	
So. Yakima	32	5
Spokane	1	
Thurston	2	
Wahkiakum	1	
Whatcom	18	2
TOTAL	93	12 (38%)



LIVESTOCK NUTRIENT MANAGEMENT TECHNICAL ASSISTANCE REFERRAL

Date of Referral:

WSDA Inspector(s):

Referred to:

Facility Name:

Phone No:

Operator's Name:

Phone No:

Street Address of Facility:

City Zip

Mailing Address:

City Zip

County:

WRIA

History

- | | Yes | No |
|---|--------------------------|--------------------------|
| 1) WSDA inspected this farm on | | |
| 2) Is the farm currently under a formal enforcement action? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3) Is the farm covered by a NPDES permit? | <input type="checkbox"/> | <input type="checkbox"/> |

Referral

Producer to contact Conservation District within 10 days, but no later than by .

- ☐ **Type 1 - On-Farm Nutrient Management Plan incomplete.** During the last inspection and a review of your nutrient management plan, the following items were not found. Contact your conservation district to get copies.

- ☐ Copy of signature pages
- ☐ Copy of field map
- ☐

Action to be completed within 30 days of producer request - Upon completion of task, CD to complete referral form. Copies of completed referral form to producer, WSDA, and Ecology (if permitted).

- ☐ **Type 2 - Technical Assistance Needed.** During the last inspection, the following items were identified as a need for technical assistance. Contact your conservation district for technical assistance.

- ☐ Soil test indicate excessive soil nutrient levels
- ☐ Nutrient application records are incomplete
- ☐ Nutrient application records indicate applications exceed planned agronomic rates
- ☐ Land treatment and/or cultural practices identified in your NMP are not managed as planned
- ☐ Lagoon dike assessment
- ☐

Action to be completed within 30 days of producer request - Upon completion of technical assistance, CD to generate a technical report of specific technical assistance provided to the producer. Copies of completed referral form and technical report to producer, WSDA, and Ecology (if permitted).

- ☐ **Type 3 - Technical Review Needed.** During the last inspection, the following items were identified because they do not meet the specification(s) in your Nutrient Management Plan. Contact your conservation district for a technical review of your nutrient management plan

- ☐ Animal numbers
- ☐ Acreage available for land application
- ☐ Manure and wastewater handling and storage structures are not being operated or maintained as planned.
- ☐ Manure and wastewater handling and storage system has been changed.
- ☐ Cropping system has changed
- ☐

Action to be completed within 30 days of producer request – 1) If current practices and conditions meet the requirements of the NMP, CD to provide an addendum to the existing NMP. 2) If not, CD generates a technical report of findings and options to address the practices and conditions. Copies of completed referral form and technical report to producer, WSDA, and Ecology (if permitted).

- ☐ **Type 4 - NMP Update Required.** Updated NMP requires approval by conservation district and certification by both conservation district and producer.



Action to be completed within 90 days of producer request - Upon completion, NMP will need approval by conservation district and certification by conservation district and producer. Copies of completed referral form and approved NMP to producer, WSDA, and Ecology (if permitted) when NMP is approved.

Additional Comments:

Referral Follow-Up

- ☐ Producer contacted conservation district on .
- ☐ Report received from conservation district on .
- ☐ Copy of Addendum to NMP received on .
- ☐ NMP Update approved by conservation district on .
- ☐ NMP Update certified by conservation district on .
- ☐ NMP Update certified by producer on .
- ☐ Additional follow-up activities:

WSDA Inspector Referral Process – Inspector notes management or facility concern, Inspector generates referral form and refers producer to conservation district, producer has 10 working days to contact conservation district.

Type 1: De Minimus

Task specific, no technical assessment required.

Example: copy of map, copy of signature pages

CD completes referral form and returns to WSDA upon completion of task requested.

Type 2: Technical Assistance

Technical Assessment Required

Example: lagoon dike assessment, management/facilities technical assistance

CD completes referral forms and provides a technical report to WSDA.

Type 3: Technical Review

NMP Review required

Reasons for “review” limited to:

- 1) *Storage assessment (e.g., new handling system/slab area).*
- 2) *Increase in cow numbers.*
- 3) *Decrease in land base.*
- 4) *WSP concerns.*

If current situation meets or beats current NMP, CD provides Addendum to existing plan. Copy to NMP and WSDA

If not, CD generates technical report to WSDA of findings and WSDA takes appropriate action.

Type 4: Plan Update

NMP Update required

Example: WSDA wants full update, whatever the reason.

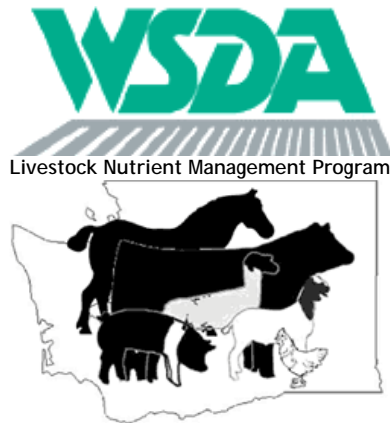
Approval by conservation district. Certification by conservation district and producer.

Copy to NMP and WSDA.

WSDA reviews completed referral forms and technical reports from conservation districts within 10 working days. WSDA takes further action when appropriate.

January 2005

Nutrient Management Requirements on Your Dairy Operation



We developed this guideline to help you understand and comply with the requirements of your Nutrient Management Plan regarding soil tests, manure tests, and manure application records. Your Nutrient Management Plan is required by RCW 90.64 Dairy Nutrient Management. It was developed for your farm by you and your local conservation district, NRCS, or by a private provider; they can provide assistance with the implementation of your plan.

Soil Test

Soil tests are used to determine the soil's ability to supply plant nutrients. Your soil test program is most valuable to you when the tests are taken the same time of year. We recommend sampling after harvest and prior to nutrient application. The following chart will help you determine your **soil testing requirements**. Clearly identify your soil samples relative to the fields they represent. We recommend you retain all previous soil sample results; but a minimum of the last three samples should be available for inspections. Your operation may benefit from testing more often or testing for other nutrients specific to your cropping system.

Eastern Washington	NO ₃ -N, NH ₄ -N, P, K, OM, pH, EC	Annually Exceptions: IF Your farm receives less than 25" of rainfall + irrigation OR You are growing a perennial crop (the crop is planted once and harvested several times over a period of years) THEN Test every 3 years
Western Washington – Specific criteria are established in EM8832-E <i>Post-Harvest Soil Nitrate Testing for Manured Cropping Systems West of the Cascades</i> (May 2003) contained in Section 7 of your Nutrient Management Plan.	NO ₃ -N	Annual Fall Report Card Soil Test is required to measure NO ₃ -N in the 1 st foot for all cropping systems.
	P, K, OM, pH,	Annually for annual crops Every 3 years for perennial crops <i>Recommendation: Test at the same time as Fall Report Card Soil Test</i>

NO₃-N = Nitrate Nitrogen, NH₄-N = Ammonium Nitrogen,

P=Phosphorus (Western WA-Standard Bray, Eastern WA-Olsen/Bicarb),

K=Potassium, OM = Organic Matter, pH = Soil Acidity, EC = Electrical Conductivity

Manure Testing

Manure tests are used to determine the nutrient value of your manure. At a minimum, you are required have your manure, both solid and liquid, tested by a laboratory annually prior to land application. The following chart will help you determine your **manure testing requirements**.

Eastern Washington Annual laboratory testing prior to land application	Laboratory Testing Annual Requirement Manure, Liquid – Test for NH ₄ -N, Organic N, P ₂ O ₅ , K ₂ O Manure, Solids - NH ₄ -N, Organic N, P ₂ O ₅ , K ₂ O, % Solids On-Farm Testing (quick test methods) include hydrometer or nitrogen meter.
Western Washington Annual laboratory tests. In addition, you are required to complete on-farm testing of your manures twice per year. Test prior to land application.	

Nutrient Application Records

Nutrient sources include such materials as solid manure, liquid manure, compost, starter fertilizers and commercial fertilizers that are added to supply plant nutrients to grow a crop. Nutrient Application Records are to be maintained for at least three years. Your records should include the following for each field that manure is applied to:

Field Identification, Year
Crop, Predicted Crop Yield, Crop Nutrient Needs,
Current Soil Test Values
All Nutrient Sources (including commercial fertilizers)
Nutrient Analysis of Each Source,
Amount Applied to Field, Date Applied
Actual Crop Yield
Forage Nutrient Testing as required by Nutrient Management Plan

Manure removed or transferred to offsite locations: Transfer information should include who and where the manure was transferred to, amount of manure transferred, and when the manure was transferred. Records are to be maintained for at least three years.

This information was developed by the Livestock Operations Education Outreach Committee to provide clear and concise guidance to livestock operators. Contacts for this fact sheet include Laurie Crowe, South Yakima and Chuck Timblin Whatcom Conservation Districts; Joel Poore, Natural Resources Conservation Service; Joe Harrison and Robert Stevens, Washington State University Extension, and Nora Mena, Washington State Department of Agriculture Livestock Nutrient Management Program.

LAGOON RISK ASSESSMENT TOOL USE GUIDANCE DOCUMENT

When conducting an inspection specifically addressing lagoon/storage pond concerns (e.g., for the purposes of targeted lagoon assessments in a specific geographical area), inspectors will use the following criteria:

Solids Management

Grade	Criteria	Action
Light	No solids build-up or minimal crusting.	Commendation
Medium	Evidence of build-up, no significant storage loss	Technical assistance/guidance
Heavy	Significant storage loss and/or significant vegetative growth on crust	Letter of Warning, follow-up regarding required cleanout

Lagoon Dike Condition

Grade	Criteria	Action
Good	Good vegetative cover, no woody growth, no animal damage or bank degradation	Commendation
Fair	<25% without vegetative cover, possible over-grazing, significant bramble growth, minor bank degradation	Technical assistance/guidance
Poor	>25% without vegetative cover, any woody growth, clear over-grazing, or bank degradation due to animal access or other mismanagement	Letter of Warning and referral to CD for technical assistance

Lagoon Effluent Level

Grade	Criteria	Action
Good	Sufficient land base and time to apply all manure at agronomic rates prior to closure of manure application period in the Nutrient Management Plan	None
Poor	Insufficient land base or time to apply all manure at agronomic rates prior to closure of manure application period in the Nutrient Management Plan	Letter of Warning and referral to CD for technical assistance